

## CLAIMS

1. Device for treating and reducing stuttering by means of auditory feedback characterised in that  
5 said device comprises a bone conducting hearing aid apparatus (1,5,6) arranged to be attached to the skull bone (3) of a user with a stuttering problem so that the ear canal is left free and which apparatus comprises a tactile component in the form of a vibrator (1) from which the  
10 sound information is mechanically transmitted to the inner ears of the user via the skull bone (3).
2. Device according to claim 1 characterised in that the apparatus (1,5,6) comprises a skin penetrating member (2) and is arranged to be mechanically anchored directly into the skull bone (3) by means of osseointegration so that the vibrations from the vibrator (1) are transmitted directly into the skull bone (3).
- 20 3. Device according to claim 1 characterised in that the apparatus (1,5,6) is arranged to be mechanically anchored to the skull bone (3) via the skin so that the vibrations from the vibrator (1) are transmitted into the skull bone (3) through the skin layer.
- 25 4. Device according to claim 1 characterised in that the frequency characteristics of the apparatus (1,5,6) is adjustable.
- 30 5. Device according to claim 1 characterised in that the apparatus (1,5,6) comprises a delay circuit, preferably adjustable.
- 35 6. Device according to claim 1 characterised in that the frequency characteristics of the apparatus (1,5,6) is adapted to suppress surrounding sound and amplify the user's own voice.

7. Device according to claim 1 characterised  
in that the apparatus (1,5,6) comprises a microphone (5)  
of a forward-directed, directional type in order to suppress  
sound from other directions than the forward direction.  
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